

# BNL PHOBOS Group: The Final Chapter

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July 25, 2006

# BNL PHOBOS Group FY06



Mark  
Baker



Rachid  
Nouicer



Robert  
Pak



Peter  
Steinberg

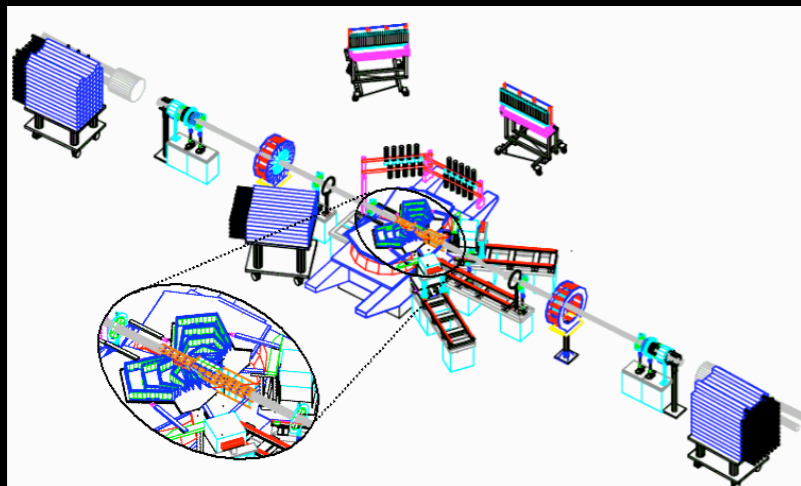


Andrei  
Sukhanov

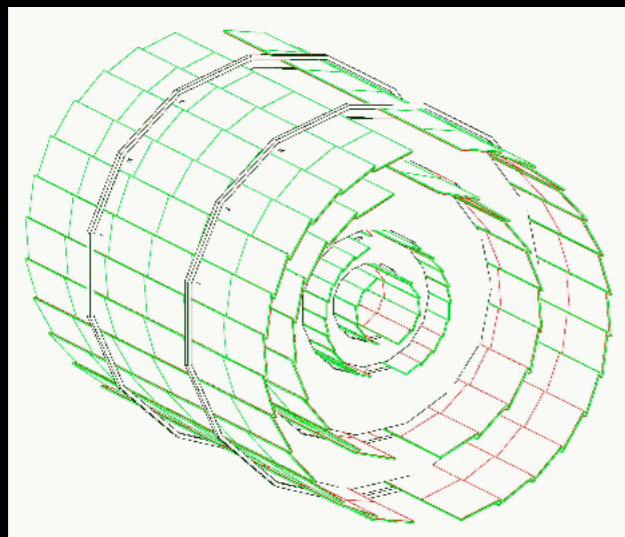
**sabbatical**  
**Mar-Oct**  
**2006**

**interim**  
**group**  
**leader**

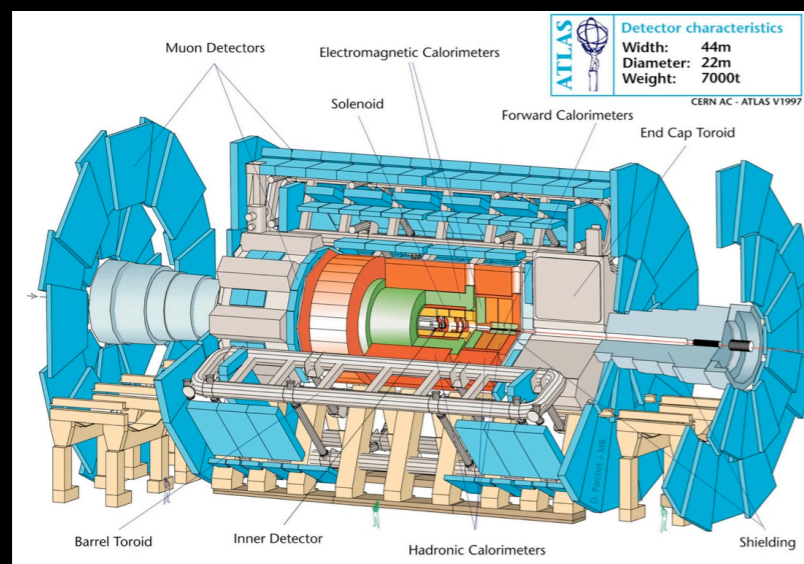
# Group Projects



In summer 2005,  
the PHOBOS detector  
was removed from RHIC tunnel



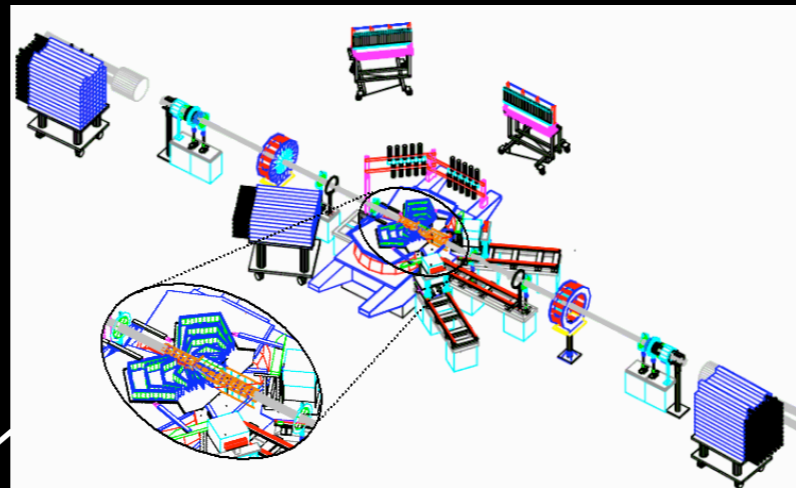
In 2003, BNL PHOBOS Group  
officially joined the VTX upgrade  
for PHENIX



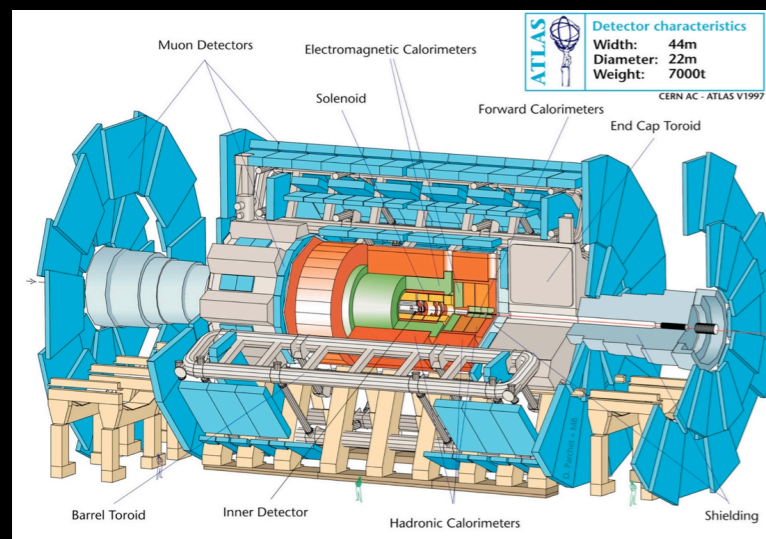
In 2005, BNL PHOBOS Group  
began involvement with  
ATLAS heavy ion group

# FY06 Activities

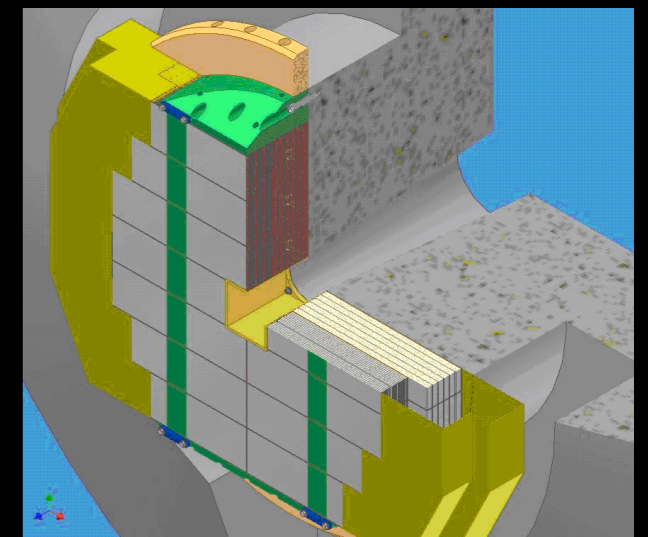
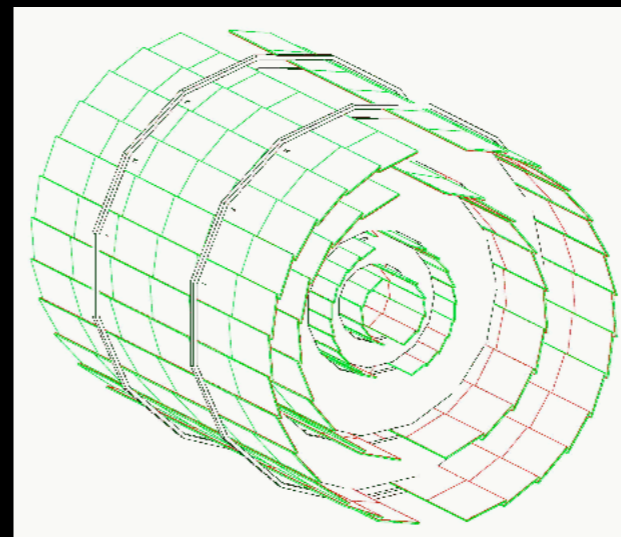
PHOBOS is now  
an analysis  
experiment



(BNL group still  
responsible for  
decommissioning)



ATLAS HI is  
now ramping up  
rapidly as a  
physics group

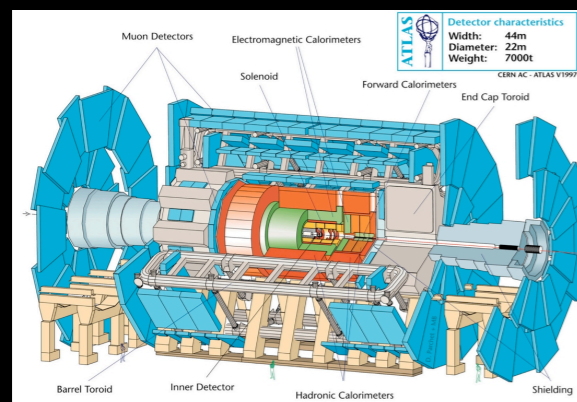
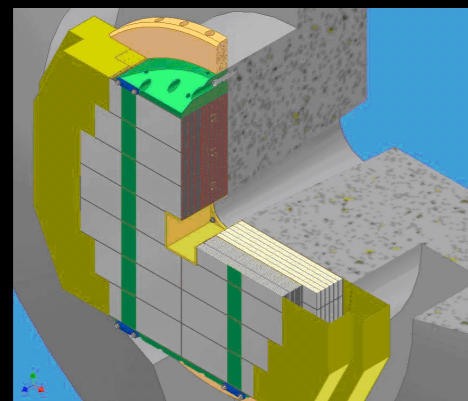
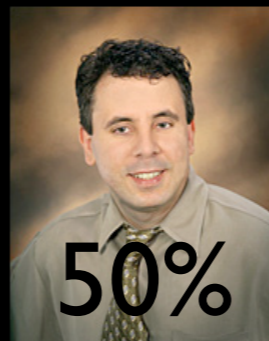
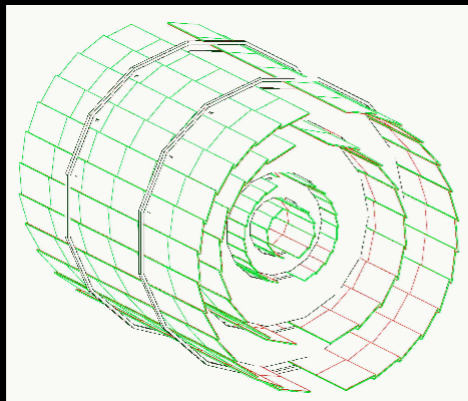
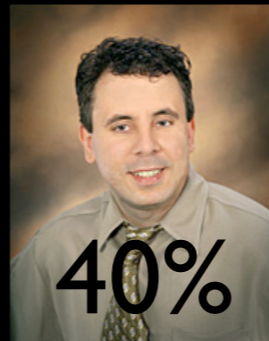
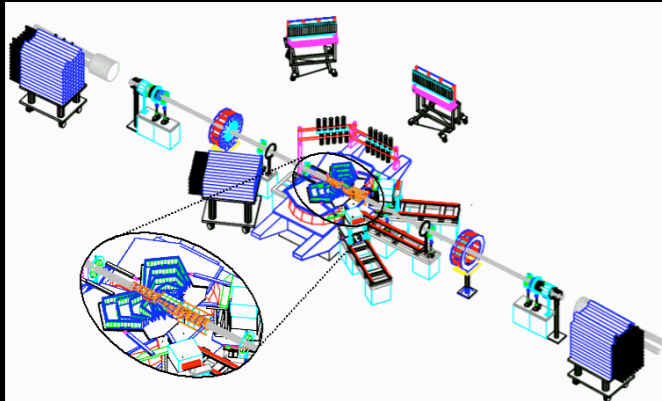


PHENIX involvement has  
expanded to both  
VTX and NCC upgrades

# FY06 Activities

- **BNL PHOBOS group is a set of strong individual workers**
  - Group activities organized to maximize impact on PHOBOS, PHENIX & ATLAS
  - Will present individual progress
- **Major contributors to all projects**
  - Experiments (VTX, NCC)
  - Physics Research (PHOBOS, ATLAS)
- **Noucier & Pak will present their work in next two talks**

# Current FTE Allocation



# Interlude: New Hire

- **Jiangyong Jia**

- PhD SUNYSB 2003
- Postdoc Columbia 2003-2006

- **Joint SUNYSB/BNL hire**

- Starting August 2006

- **Major contributor to PHENIX**

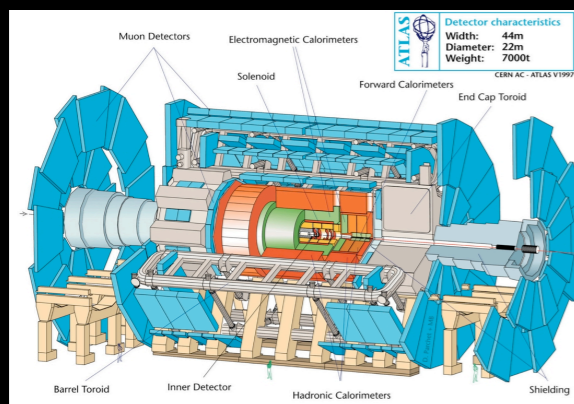
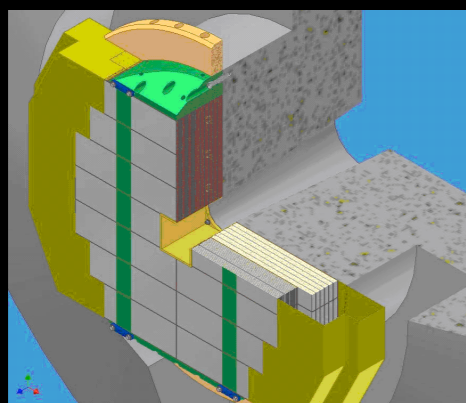
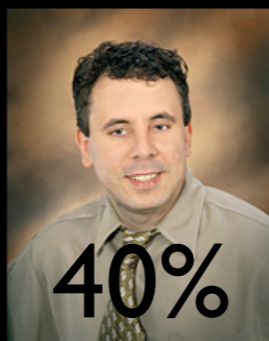
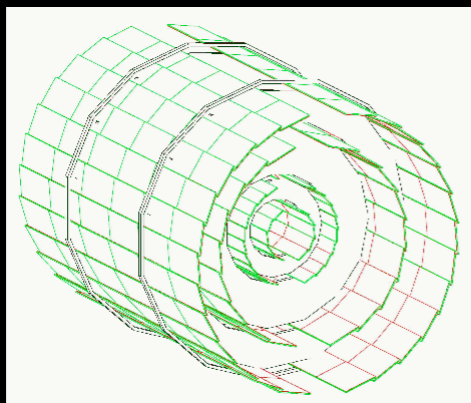
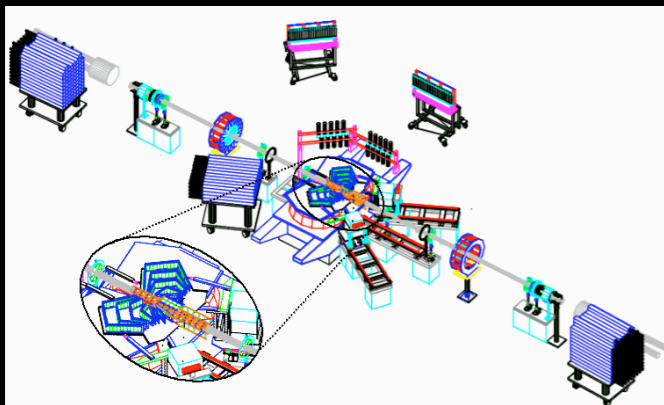
- Jet suppression
- High  $p_T$  correlation studies

- **Interests in ATLAS-HI & PHENIX**

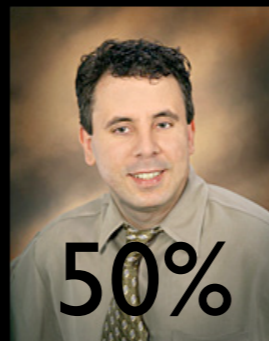
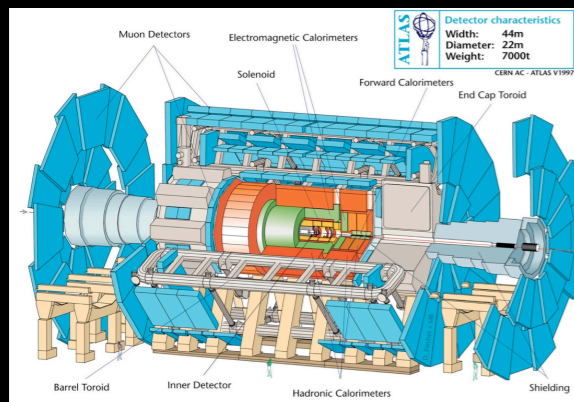
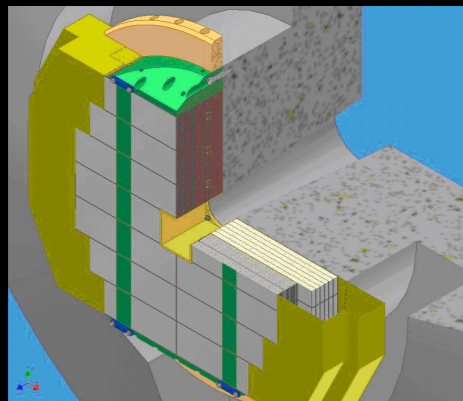
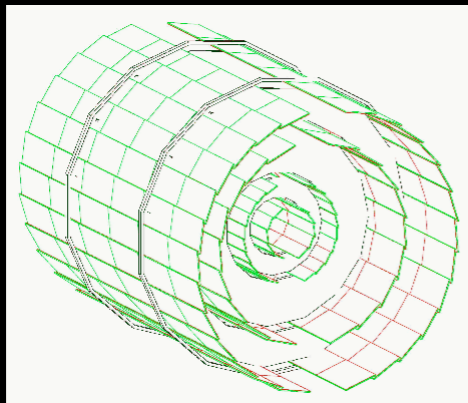
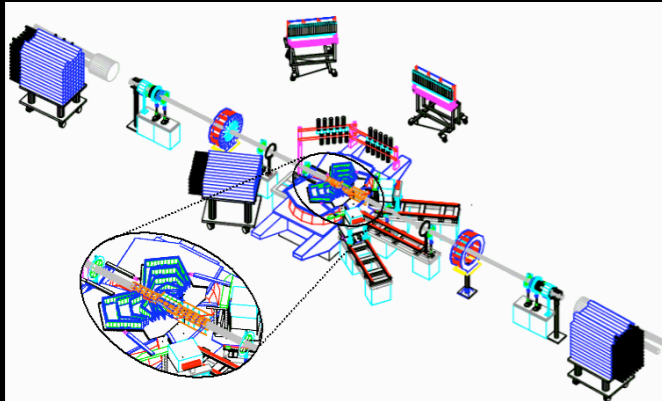
- Jet reconstruction, hard probes



# Plans for FY07



# Plans for FY08+



# Baker



- **On sabbatical 3-10/06**
  - SUNYSB, OSU
- **Major contributions**
  - Leading PHOBOS group through major transitions to PHENIX & ATLAS
  - Led US-ATLAS HI group, serving as project manager. DOE review in 9/05 & 2/06 Contributor to elliptic flow studies in PHOBOS
  - Co-developed “participant eccentricity”, major “hit” at QM2005
  - Pushed through SUNYSB/BNL Chem hire

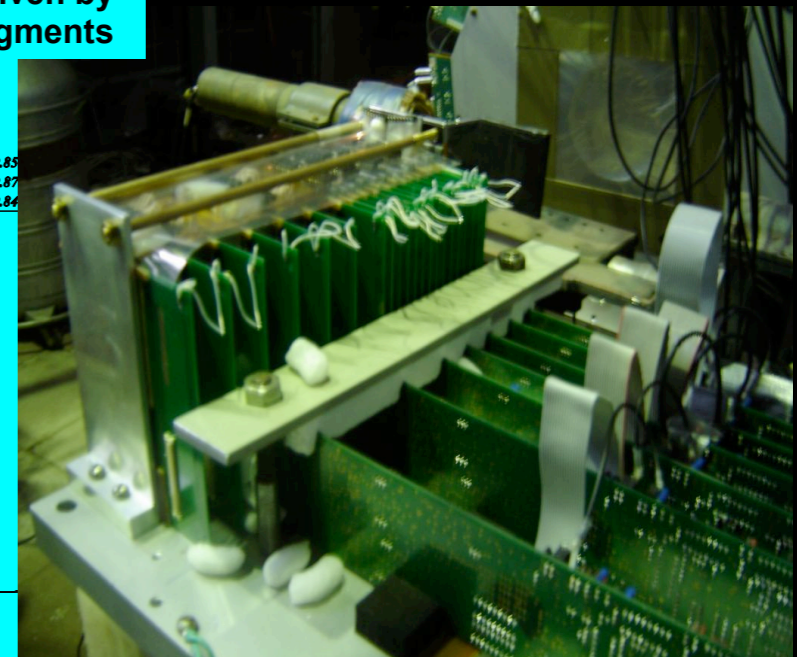
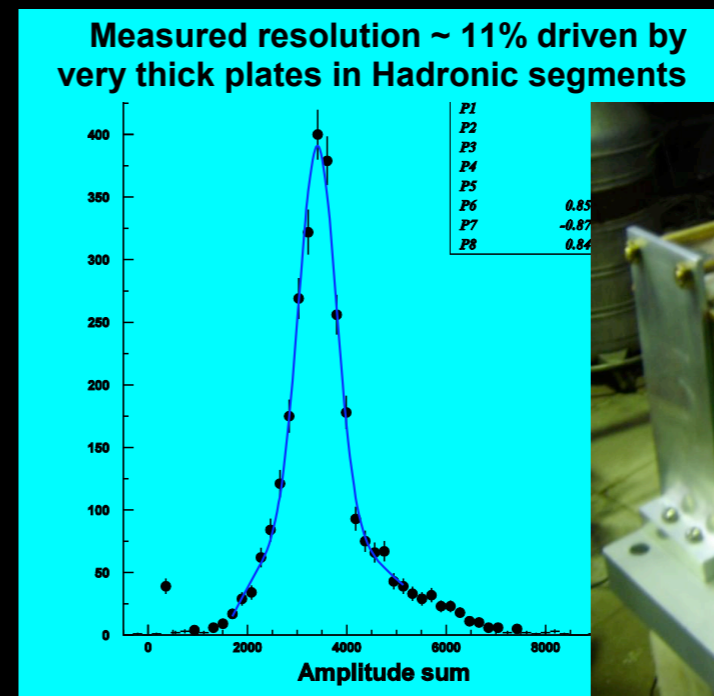
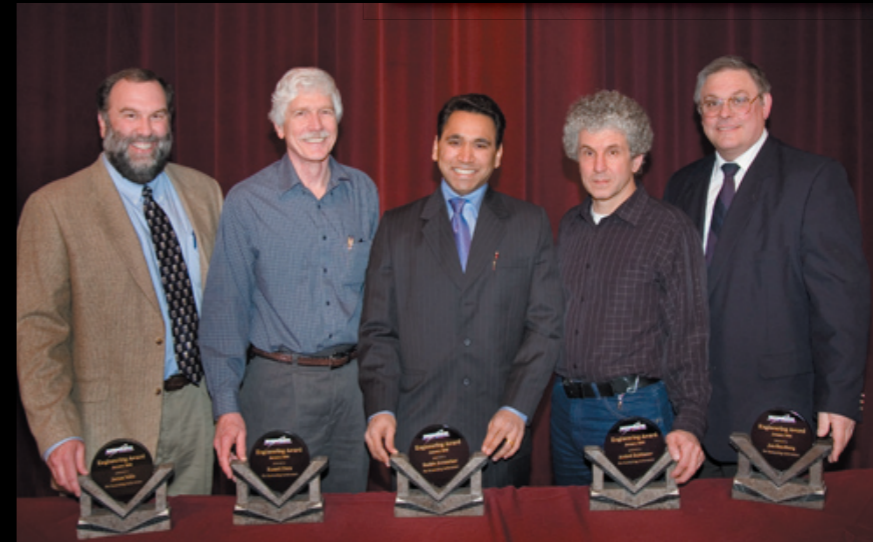
# Sukhanov

- **Spotlight award for FY06**

- cited for “resourcefulness, drive, and tremendous technical skill”

- **Major contributions**

- Prepared and presented proposal for front-end electronics for NCC at BNL Review on PHENIX Forward Upgrade 4/06
- Presentation on NCC at '06 IEEE NSS-MIC (Puerto Rico)
- NCC Testbeam at IHEP 10/05: installation, run control, data-taking↑
- Stripixel prototyping (Summer 2006)
- Software and firmware development



# Steinberg



- **Tenured in April 2006**

- **Responsibilities:**

- PHOBOS Project manager, head of computing, RCF liason, paper committees, Multiplicity group

- **Achievements:**

- Lead author of 3 PHOBOS multiplicity papers accepted to PRC
- Co-developed “participant eccentricity”
- Physics & Computing coordinator for USATLAS-HI group.
- Workshop and conference talks on PHOBOS, PHENIX, ATLAS & A+A phenomenology

# Ready for the Next Step

